

INTERDEPARTMENTAL COMMUNICATION

TO S. W. Burress

DATE Feb. 18, 1957

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FROM W. M. Hawkins

DEPT. 70-01 PLANT 1 EXT. 2081

SUBJECT: NOL VISIT & STEERING COMMITTEE MEETING (FEB. 13 - 15)

In response to our letter to NOL requesting proposals for Polaris support work, Dr. Gregg Hartman suggested the following breakdown of tasks and the corresponding budgetary estimates for the work. (We will receive an official response soon.)

by 1961 job is 1958.

1. Complete adaption kit up to and including the "design disclosure".

2. Support to LMSD for aeroballistics. (Information developed and presented to LMSD)

3. Support to LMSD for materials testing. (around. This work should not be included in the budget)

4. New approach studies and experimentation for the reentry body.

Fiscal Year	Budget Estimates ($\pm 20\%$) in 1000's (1)					
	'57	'58	'59	'60	'61	'62
Task 1 (Adaption) ⁽²⁾	592	2,425	2,226	2,168	1,744	601
Task 2 (Aeroballistic)	125	350	125	0		
Task 3 (Matis. Res.)	50	400	100	0		
Task 4 (New approach) ⁽⁴⁾	500 ⁽³⁾	1,900	1,900	1,900		

(1) Starts April 1, 1957, includes overhead, materials, and external contracts.

(2) Includes work on substantial duplicate concepts: radar, baro., two types of contact fuse. Only one simple approach might remove from one to two million dollars from total program for Task 1.

(3) Would be only \$300,000 if Jupiter work continues.

(4) Only a determination of reasonable feasibility (aimed at 1965) does not include "design disclosure" but only preliminary design.

Capt. Smith wants us to find out how much of this can be included in our original budget estimate and is depending on us to recommend how much extra money would be required over our present budget limitations to support that part of the work which we think should be done.

During Steering Committee sessions it was obvious that our -10 might still be too conservative in size. Present guesses and minimum requirements are:

(See next page)

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NOL VISIT & STEERING COMMITTEE - 2 -

Feb. 18, 1957

CEP Total	4 n. mi.	2 n. mi.
Range (min.)	1150 n. mi.	1500 n. mi.
W.H. weight	600#	600#

We should rough out missile envelopes for 90% confidence on both above requirements and then alternatively:

- (1) Estimate confidence level of 1963 envelope doing 1965 job in 1965.
- (2) Estimate improvement in confidence level if 1963 envelope only had 300# W.M. to carry while trying to do 1965 job in 1965.

The Missile Committee should get similar instructions through Rod Middleton but the above is the Admiral's summary of what is needed. This work should not impede the work originally asked for by the Steering group.

Next Steering Committee meeting March 6, 7 and 8. (Plan on all day session March 8th!) Missile Committee Report (without final recommendation) must be in March 6th.

Willis M. Hawkins

WMH:ipb

cc: **F. J. Bednarz** *Worthy and capable enough to be a good manager in our agency and deserves*
H. W. Kohl *same*

L. N. Ridener — *See the list of Contributors*

W. D. Orr (C. S. Hinton)
Capt. Levering Smith (via Hunter Rainburg)

但凡有心人，總會在這裏尋找一些與自己有關的東西，這就是「尋找」的樂趣。

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